

Effectiveness of Potassium Metaphosphate in Greenhouse
and Field Experiments Carried Out in USSR, by
I. G. Kondratev.

RUSSIAN, per, Agrokhimiya, Vol 4, 1969, pp 153-160.

*NTIS/TVA TT 71-55102

Available TVA Only

May 71

Half Century of the Scientific Institute of
Fertilizers and Insecto-Fungicides, (1919-1969),
by S. I. Vol'fkovich, L. L. Balashev, 21 pp.
RUSSIAN, per. Agrokhimiya, Moscow, No 10, 1969,
pp 3-14.
JPRS 49823

Sci-Chem
Feb 70

402,053

Lebedev, Ia. V.

Growing carrots in a conveyor for aeroponics.

Vegetables, Vol 5, 1970, pp 97-101

WHS 77 72-51128

An Experimental Assessment of Immunization with
Aerosols of Liquid Vaccines, by A. I. Danilov,
I. I. Tershikh.
RUSSIAN, per, Akademiya Meditsiny i Nauk, No 5,
1966, pp 74-81.
ACSI J-8832

Sci/B&M
Nov 70

Study of the Etiology of Human Leukemia in
Experiments on Primates (Part II), by B. A.
Lapin, et al.

RUSSIAN, per, Akad Med Nauk USSR, 1967
pp 167-183.

HEW-JIH

2-25-68

Sci-BAM

Mar 68

350,734

Morphophysiological Changes During the Action
of Radiofrequency Electromagnetic Fields,
by Tolgskaya, 118 pp.
RUSSIAN, per. Akad Medit Nauk SSSR, 1971,
ACSI-K-1651

Mar 72

The Reliability of Operating a Super-Conducting
Memory Cell - A Persistotron - in a Memory
Matrix, by V. A. Shukman, S. V. Golenov, et al.
12 pp.

RUSSIAN, rpt, Akademie der Wissenschaften,
UDSSR Symposium Held in Leningrad 21-23 Oct 1965
TBILISI. 1965, pp 1-15.

AIR/PAID/HT-23-1557-67

sci.methods and equip
mar 69

377,826

Academician S. P. Korolev, Biography, by
P. T. Astashenkov. 270 pp.
RUSSIAN, book, Akademik S. P. Korolev, 1969,
pp 1-208.
AIR/FTD/HQ-23-542-70

July 71

Algorithm of the scheme of the method of
of Integral Relationships for Calculating Super-
sonic Flow of Equilibrium and Nonequilibrium
Gas Stream Past Blunt Bodies, by A. Kulshayev
16 pp.

RUSSIAN, per, in ANUZEN. Institut Matematiki i
Mekhaniki. Differentsial'nye Uravneniya i Ego
Primeneniye, 1967, pp 40-51.

AM/PA/AM-23-72-69

sci/ physics
nov 69

397,109

The Role of DNA in the Differentiation of
Somatic Cells in the Embryogenesis of Higher
Vertebrates, by Yu. A. Magakyan, 5 pp.
RUSSIAN, per, Akademi nauk Armynskoy SSR --
Biologiya, Vol 19, No 2, 1966, pp. 21-25.
JPRS 36074

USER
Sci-B/M
Jul 66

304,321

The Armenian Academy of Sciences After 25 Years,
521 pp.

RUSSIAN, bk, Akademiya nauk Armianskoy SSR
za 25 let, Yerevan, 1983, 578 pp.

JPRS 49241

Sci-Scientists & Sci Organs

Nov 69

3X6,258

Garbuz, G. N.

Characteristics of X-ray transition radiation produced
by a superfast particle in a stack of plates.

AKADEMIA NAUK ARMJANSKOI SSR, YERVAN INSTITUT FIZIKI,
1970.

HTC 71-1125-208

Beringulyan, R. S.

Viscosity and electrical conductivity of molten glasses
over a wide temperature range. 7 pp.

ЖИЗНЬ НАУК АНГЛИЙСКОГО СТЕПЕНОБРИЖНОГО СОСТОЯНИЯ.

Vol. 8, No 1, 1978, 1, 105-112

AIR/PTD-HT-88-1101-78

Impact of a Body on a Plate Resting on an
Elastic Base, by Ye. P. Afanas'yev. 10 pp.
RUSSIAN, rpt, L. AZERBSSR. Izd. Vsesoyuznyy
Simpozium po Rasprostraneniyu Uprugo-Plasti-
cheskikh Voln v Sploshnykh Sredakh. Baku, 1964.
Literat. 1966, pp 149-158.
AIR/PTD/PI-23-445-68

sci/physics
may 69

380,111

Synthesis of the Antioxidation Additive IKA-21,
by A. N. Guliyev, A. A. Zeynalova, et al. 7 pp.
AKSESIYAD, Rpt., AY AZERBAJDZ. Institut Khimii
Prisadok. Prisadki k Shtazodnyim Maslam; Voprosy
Sintezy, Issledovaniye i Priremeniya Prisadok k
Maslam, Toplivam i Polimernym Materialam, 1967,
pp 3-8.

ALL/122/12-23-70-69

sci/cas entry
oct 69

395,359

Synthesis of Antiwear Additive IAKM-30 Described,
by A. M. Kuliyeu, F. G. Suleymanova, et al. 2 pp.
RUSSIAN, rpt, AN AZERBSSR. Institut Khimii
Prisadok, Prisadki i Smazochnyye Masla i Vozrozy
Sinteza, Issledovaniya i Primeneniya Prisadok k
Maslam, Toplivam i Polimernym Materialam, 1967,
pp 9-13.
ADU/PTD/PR-23-262-69

sci/materials
feb 70

401, ~~124~~ 125

Investigation and Testing of the Antiwear DEKA-32
Additive, by A. M. Kuliyeu, F. G. Duleyanova,
et al. 5 pp.

RUSSIAN, rpt, IN AZERSSR. Institut Khimii
Prisadok. Prisadki i Smatodnyia Maslani, Svoosy
Sintaza, Issledovaniya i Priimeneniya Prisadok k
Maslam, Tekhnika i Polnemya Materialam, 1967,
pp 14-17.

ADR/FTD/TF-23-262-69

sci/materials
feb 70

#01,126

Synthesis and Investigation of new Antioxidant
Additive INKIP-40, by A. M. Kuliyov.

K. I. Sadyzov, et al. 5 pp.

RUSSIAN, RPT, AN AZERBSSR. Institut Khimii
Prisadok. Prisadki k Smazochnym Maslam; Voprosy
Sinteza, Issledovaniya i Primereniya Prisadok
k Maslam, Toplivam i Polimernym Materialam,
1967, pp 18-21.

AIR/FTD/MT-24-289-69

sci/materials
apr 70

406,626

Synthesis and Investigation of N-Butylurethane
Based Anticorrosive Additive, by A. M. Kulliyev,
Kh. J. Kulliyeva, et al. 7 pp.

RUSSIAN, rpt, AN AZERSSSR. Institut Khimii
Prisadok. Prisadki i Smazochinye Masla: Voprosy
Sintezy, Issledovaniya i Primeneniya Prisadok k
Maslam, Mollivam i Polimernym Materialam, 1967,
pp 27-32.

AIR/ETD/RT-23-262-69

sci/materials

feb 70

401,128

Synthesis of Mixed Esters of Dithiophosphoric
Acid, by A. M. Kulihev, K. I. Sadykhov, et al.

4 pp.

RUSSIAN, rpt, AN AZERBSSR, Institut Khimii
Prisadok. Prisaoki i Smazodnyia Masla; Voprosy
Sinteza, Issledovaniya i Priimeniya Prisadok k
Maslam, Toplivan i Polimernym Materialam, 1967,
pp 55-58.

AIR/PTD/AT-23-262-69

Antifriction and Antiwear Additives on the Basis
of Products from the Reaction of Alkyl and
Aryl Esters of Glycerol α -Phenochlorohydrin
and β -Chloroethyl Ether of Phosphorous Acid
Dichloride, by A. M. Kuliyev, Z. A. Alizade
5 pp.

RUSSIAN, rpt, AN AZERSSR. Institut Khimii
Prisadok. Prisadki k Smazochnym Maslam; Voprosy
Sintaza, Issledovaniya i Primeneniya Prisadok
k Maslam; Toolivam i Polimeram Materialam,
1967, pp 80-83.

AIR/ITD/II-24-289-69

sci/materials
apr 70

406,627

Selection of an Antioxidant Component for 10-3
Detergent Additive, by A. P. Kuliyev,

G. L. Artyukhov.

MUSKAT, rpt., in Azotokh. Institut Khimii

Prisadok. Prisadki k kuzodnyim maslam,

1967, pp 158-160.

AM/FED/PA-23-848-68

sci/expulsion and fuels

nov 69

397,011

The Use of Quarternary Ammonium Compounds to
Stabilize Solutions of Viscous Lubricating Oil
Additives, by A. M. Kuliyeu, P. N. Farudov,
et al. 3 pp.

BAKLAN, per, AN AzerbSSR, Institut Khimii
Prisada k Smazodnyia Baklan, 1967,
pp 167-169.

AIR/MD/AT-23-850-68

sci/materials
apr 69

380,052

On the Problem of Determining the Detergent
Properties of Oils by the PZV Method, by
Sh. A. Nikitanyan, V. E. Khigaz, et al. 7 p.
RUSSIAN, rpt, Al AzerSSSR. Institut Khimii
Prisadok. Prisadki k Smazochnym Maslam,
1967, p. 271-275.
ATTN/ED/IN-23-848-68

sci/prop and fuels
nov 69

397,013

Investigation for Selection of Effective Methods
for Removing Mechanical Impurities from Alkyl-
phenol and Sulfonate Additives to Lubricating
Oils, by A. M. Kulliyev, I. M. Chudzhova, et al.
7 pp.

RUSSIAN, rpt, AN Azerb SSR, Issledovaniye Primeneniya
Prisadok Maslam, 1967, pp 153-157.

AIR/PO/ML-24-268-69

sci/materials

May 70

ADG 000

Cinnamon Forest Soils Within the Eastern Part
of Greater Caucasia, by G. A. Aliyev, 112 pp.
RUSSIAN, bk, Azer SSR Ak Nauk, Instit.
Pochvovdeniya i Agrokhimii, 1965.
*CESTI TT 69-55068

Sci/Barth
Mar 69

Punched-Tape Data Input Unit with Circuital
Conversion of Numbers, by Yu. A. Makhmudov &
M. B. Bekir-Zade, 11 pp.
RUSSIAN, prof. Alexander Mark Aschbaydshansky
SER. Voprasy Vychislitel'noy Matematiki i
Vychislitel'noy Tekhniki, Vol 3, 1965, pp 161-
176. P100336867
FTD-HT-66-795

Sci/Elec & Elec Engr
Jan 68

102,346

On Structural Formation of Carbor.-Containing Fibers
by Pyrolysis, by I. N. Yermolenko, R. N. Sviridova,
5 pp.

RUSSIAN, per, Belorussian AN BSSR, Chem Ser., No 6,
1969.

ARM/FSTC/HT-23-925-71

Aug 71

On Structural Formation of Carbor.-Containing Fibers
by Pyrolysis, by I. N. Yermolenko, R. N. Sviridova,
5 pp.
RUSSIAN, per, Belorussian AN BSSR, Chem Ser., No 6,
1969.
ARM/FSTC/HT-23-925-71

Aug 71

Influence of Gamma Irradiation on the Electric Conductivity and Disaccommodation of Nickel-Zinc Ferrite, by Ye. I. Frinkler, Ye. A. Raytman. 7 pp.

RUSSIAN, per, AN BSSR. Institut Fiziki Tverdogo Tela i Poluprovodnikov. Fizicheskiye Svoystva Ferritov, 1967, pp 151-154

AIR/PTD-MT-24-118-71

sept 71

On the Multiterminal Computer, by
M. V. Mishurnaya, 4 pp.
RUSSIAN, rpt. AN SSSR, Institut Tekhnicheskoy
Kibernetiki, Vychislitel'naya Tekhnika, 1965.
pp 10-14. P100242468
FTD-MT-24-236-67

Sol-H:ec
Oct 68

367.542

Certain Timing Characteristics of a Multipanel
Calculating System, by M. V. Mishurnaya. 6 pp
RUSSIAN, par. AN SSSR, Institut Tekhnicheskoy
Kibernetiki. Vychislitel'naya Tekhnika. 1965,
pp 14-20. P100103768-V
FTD-MT-24-232-67

Sci/Electr
June 68

359,327

Switching Codes, by K. G. Shepolenko, 6 pp.
RUSSIAN, rpt. AN BSSR, Institut Tekhnicheskoy
Kibernetiki. "Vychislitel'naya Tekhnika", 1965,
pp 31-36.
AIR/ETD/WT-23-1521-67 AD 679 373

Sci-B and C
Feb 69

373,055

A Digital-Analog Computer of the Frequency of
Characteristic Oscillations of a Ship, by
P. M. Chagalin, 10 pp
RUSSIAN, rpt, AN BSSR, Institut Tekhnicheskoy
Kibernetiki, "Vychislitel'naya Tekhnika", 1965,
pp 81-99. F100174768-V
FTD-M-24-340-67

Sci/Elect & Elect Engr
Aug 68

364,798

Magnetic Immediate-Access Storage
Unit (Mozu) on Ferrite Pairs, by
G. K. Afanas'yev, 8 pp
RUSSIAN, bk, An BSSR. Institut
Tekhnicheskoy Kibernetiki.
Vychislitel'naya Tekhnika, 1965,
pp 140-148
PL00163768-V
FTD-MT-24-327-67

Sci-Electro/Electri Engr 364,156
Sep 68

A Punched Card Reader, by V. M. Labele &
S. K. Kosobutskiy.
RUSSIAN, per, All USSR. Institut Tekhnicheskoy
Kibernetiki. Vychislitel'naya Tekhnika, 1965,
pp 159-163.
P100044668-17
FTD-MR-24-237-67

Sci/Elec & Elec Engr
Mar 68

351,185

Some Problems in Generating Numerical
Information for Visual Observation, by
V. F. Yur'yev, K. O. Shepalenko, 4 pp.
RUSSIAN, per, An BSSR. Institut Tekhnicheskoy
Kibernetiki. Vychislitel'naya Tekhnika, 1965,
pp 153-167. PI00215768-W
FTD-MT-24-343-67

Sci/Elect & Elect Eng
Oct 68

363,359

Search Algorithms for Solutions with Functional,
Completely Defined and Surjective Mappings,
G. K. Kominskiy. 41 pp.
RUSSELAR, rpt, Elektronika, Institut Tekhnicheskoy Kibernetiki. Vychislitel'naya
Tekhnika v Mashinostroyenii, 1966, 1: 3-36.
ATT/ETH/EL-23-706-68

sci/ electronics:
sept 69

390,976

Algorithmic Selection of the Optimal Structure
of a Digital Control Computer, by
Ye. Ye. Zil'fuzarzade, O. I. Gerasimov. 18 pp.
RUSSIAN, rpt, At ISSIL Institut Tekhnicheskoy
Kibernetiki. Vychislitel'naya Tekhnika
Mashinostroyeni, Nauchno-Tekhnicheskii Sbornik,
Minsk, 1967, pp 183-199.
AIR/CTD/AT-23-196-69

sci/electronics
jan 70

399,874

Bibliography of Heat and Mass Transfer (1964-1966),
Volume II, 361 pp.

RUSSIAN, M., AN USSR, Institut Teplo-i Massoobmen.

Bibliografiya po Teplo-i Massoobmenu, 1964-1966,

Vol II, pp 510-866.

AIR/FTL/HC-23-240-69

Sci-Phys

Sep 70

Belashchov, F. N.

The joint operation of a heavy-current electrodynamic plasma accelerator with a source of electric power supply in the form of single-phase salient-pole magneto-electric generator. 47 pp.

IN USSR, INSTITUT TEPLI-K NASSOCHENNA ENERGOOPERENOS V

1970, pp 108-149

ADN/PTD-N7-24-1509-71

Budnov, V. A.

Hydrodynamics equations for discontinuous flows. 30 pp
AN BSSR. INSTITUT TEPLA I MASSOBYMENNA ENERGOBYENOS V
KANALA H. 1970, pp 161-178
AIR/FTI-HT-23-533-72

Convective Heat and Mass Exchange (Collection of
Articles). 309 pp.
RUSSIAN, Pk, AN BSSR. Institut Teplo-i Massopobmena.
Issledovaniya Konvektivnogo Teplo-i Massopobmena,
Vol 10, 1968, pp 1-423.
AIR/TEL/AT-23-242-69

sci/physics
mar 70

404,394

Investigation of Local Mass Transfer with Flow
of a Turbulent Stream of Air around Rectangular
Cavities, by V. P. Popov, Ye. A. Vagner. 21 pp.
RUSSIAN, rpt, N 1556, Institut Voplo- i Associ-
nen, Issledovaniye Nestatsionarnogo Voplo - I
Massobmena, 1966, pp 161-177.
AIR/PRD/PL-24-153-68

sci/applics
Feb 69

376,407

Experimental Investigation of Heat and Mass
Transfer in the Reacting Boundary Layer on a
Porous Plate, by L. I. Tarasevich. 13 pp.
RUSSIAN, rpt., AN BSSR. Institut Teplo- i
Massoobmena. Osnovnye Voprosy Teplo- i
Massoobmena, 1966, pp 37-47.
ATR/PTD/MH-24-370-68

sci/physics
apr 69

377,933

M. I. Liatopad

Rheological properties of aqueous suspensions of an
abrasive powder. 6 pp.

AN BSSR. INSTITUT TEPLA- I MASSOBYENNA. TEORETICHESKAYA
I INSTRUMENTAL'NAYA REOLOGIYA, Vol 1, 1970, pp 245-249

AIR/FTD-HT-23-1560-72

mar 73

AN BSSR, INSTITUT TEPLO-I MASSOOBMENA, TEPLO-I MASSOOBMEN
V NEN'YUTONOVSKIKH ZHIDKOSTYAKH MOSKVA, 1968, pp 5-285
AIR/FTD-MT-24-306-68 357 english pages

Experimental Investigation of Transfer Processes
in a Reacting Boundary Layer, by G. T. Ganyayev,
B. M. Gol'd'skiy, et al. 13 pp.
RUSSIAN, rpt, AN BSSR, Institut Teplo-i Massob-
mena, Teplo- i Massobmen Pri Fazovykh i Khimich-
eskikh Prevrashteniyakh, 1968, pp 126-136.
ANT/INT/IT-24-225-69

sci/physics
feb 70

401,139

Shchitnikov, V. K.

Heat exchange of bodies of different form with turbulent flow of air. 35 pp.

AN BSSR, INSTITUT TEPLA-I MASSOBB'ENA. TEPLA-I MASSOBB'-
MENA TEL S OKRUZHAYUSHCHEY GAZOVOY SREDOY.

1965, pp 86-111.

P100080568-V

FTD-MT-67-74

Fayngol'd, L. A.

Interference measurements mass transfer in a turbulent
boundary layer of a permeable surface. 9 pp.
AN BSSR, INSTITUT TEPLA-I MASSOGBMEN, TEPLA-I MASSOGBMEN
TELS S OKRUZHAYUSHCHEY GAZOVOY SREDIY, 1965, pp 123-129
P100078568-V
FTD-MT-24-105-67

Batiyevskiy, A. L.

Convective heat and mass transfer in the combustion of chemically active substances in the boundary layer on a porous surface.

AN BSSR, INSTITUT TEPLA-I MASSOBMEN. TEPLA-I MASSOBMEN
TEL S OKRUZHAYUSHCHEV GAZOVOY SREDOY, 1965, pp 168-175
ATD 66-26

Exact Solutions of the Boundary Layer Equations
for Pseudoplastic Fluids on a Porous Flat Plate
and Near the Stagnation Point, by B. Borkovskiy
& Z. Shul'man, 12 pp.

RUSSIAN, per. AN BSEI, Institut Teplo- i Massopobema.
Voprosy Kavitatsionnoy Poroznoy Teplo i Massy.
1963, pp 151-163. P100672868-V
FTD-HT-23-587-67

Sci/Phys
May 68

356.775

The Academy of Sciences of the Belorussian SSR:
An Outline of Its History and Activities,
by V. F. Ruprevich, 203 pp.
RUSSIAN, bk. Akademiya Nauk Belorusskoy SSR:
Ocherk istorii i deyatelnosti, Minsk, 1968,
237 pp.
JPRS 49009

Sci-Sci and Sci Organ
Oct 69

393,562

Nigul, U. K.

Nonlinear and linear transient deformation waves in
thermoelastic and elastic bodies.

AN ESTONSKOY SSR. INSTITUT KIBERNETIKI NELINEIYNYE I
LINEIYNYE PEREKHODNYYE VOLNOVYY PROTSESSY DEFORMATSII
TERMOUPRUGIKH I UPRUGIKH TEL, 1872, pp 3-174

*FTD-MT-84-1649-72

oct 72

Kotli, M.

Programs for the Minsk-2 digital computer a compiler
translator and instructions for its use. 112 pp.

AN ESTSSP. INSTITUT KIBERNETIKI. PROGRAMMY DLYA ETS

"MINSK-2" TALLIN, No 5, 1966, pp 1-128

AIR/FTD-HT-23-6869

Optimum Control in the Production of
Formaldehyde from Methanol. Pt. 1, 12p.

by R. Tavast, U Jaaksoo.

RUSSIAN, per, Akademika Nauk Estonskoi
SSR, Tallinn, Investitsiya. Seriya Matematika-
maticheskikh i Prikladnykh Nauk, Vol 14,
1965, pp 44-54.
ARS-61889R

Sci 2, Chem
31, 460

31, 460

On the Theory of Photographic Cameras for
Observation of Artificial Earth Satellites, by
H. Liigant. 25 pp.
RUSIAN, per, AN ESTSR. Tartu Astrofizicheskoy
Observatorii. Publikatsii Tartu, Vol 35, No 4,
1966, pp 1-34.
AIR/PTD/AF-23-588-68

sci/atmospheric sci
june 69

382,972

Echo Signals from Elastic Objects in Water, by
N. D. Vekselor.
RUSSIAN, rpt, AN BSSR, Institut Kibernetiki,
Preprint No 1, 1971.
*NAVY/NRL

Nov 71

REQ TR CHECK

30-11-4

TX68

DEVELOPMENT OF SWIRLING FLOW IN A
CYLINDRICAL CHAMBER WITH A DIAPHRAGM FREE
INLET SECTION

LIANE R; IVANOV YU

UR: AN ESTONSKOI; INSTITUT TERMOFIZIKI I ELEK

ELEKTROFIZIKI, TALLIN,

1970, vol 19, nr 4, pp 456-462

*In process on**MI-24-71-2029**Agitation
07 Dec 71*

Orlandi, T.N.

*Spectral analysis of the electroencephalogram during
sleep and waking.*

AKADEMIYA NAUK GRUZINSKOI SSR, Vol 52, 1970, pp 173-176

NASA TT F 14, 172

Some Problems in Evaluation of Accuracy of
Correlation Functions, by V. V. Imedadze,
E. A. Saakyan, 7 pp.
RUSSIAN, rpt. An Grunov. Institut Elektroniki.
Avtomatiki i Telemekhaniki. Skhemy Avtomati-
zatsionnoy Upravleniya, 1965, pp 34-39.
P100195869-V
NTD-HT-23-1073-67

Sci/Math Sci
Sept 68

364,995

Certain Circuits for Conversion of Voltage Into
Binary Code, by N. I. Kalatonskiy.

A. N. Iseliand, 7 pp.

RUSSIAN, rpt, AN GRISSR, Institut Elektroniki.

Avtomatiki i Telemekhaniki, Schemy Avtomati-
cheskogo Upravleniya, 1965, pp 64-69.

AIR/PTID/RT-23-585-67

Sci-Mac

Nov 68

368,172

Magnetic Relaxation of Nuclei in Semiconductors
and Semimetals in a Quantizing Magnetic Field,
by G. Ye. Gurganishvili, G. R. Khutsishvili,
14 pp.

RUSSIAN, rpt., AN USSR, Institut Fiziki.
Elektronnyye i Ionyye Protsessy v Tverdykh
Telakh, 1965.

AIR/PTD/HT-23-1529-67

Sci-Phys
Jan 69

370,865

Radiative Variation of Dislocation Density in
Alkali-Halide Crystals Irradiated in a Reactor
at Normal and Low Temperatures, by
E. L. Andronikashvili, N. G. Politov, et al. 14 pp.
RUSSIAN, per, AN GAZSSR. Institut Fiziki. Elek-
tricheskiye i Ionnyye Protsessy v Tverdykh Telaakh,
No 2, 1965, pp 3-13.
ALR/FID/INT-23-123-68

sci/physics
mar 79

376,563

Low Frequency Internal Friction in Lithium
Fluoride Crystals, by N. G. Politov,
D. G. Dripyev. 7 pp.
RUSSIAN, per, AN GRUZSSR. Institut Fiziki. Elek-
tronnyye i Ionnyye Protsessy V Tverdykh TelaKh,
No 2, 1965, pp 35-39.
AIR/FTD/MT-23-123-68

sci/physics
mar 69

376,364

Electron-Phonon Interaction in a Magnetic Field
at Low Temperatures, I, by G. D. Gasyshvili,
6 pp.

RUSSIAN, per. AM GROSSER. Institut Fiziki,
Fizika Nizkikh Temperatur, no 1, 1965, pp 76-80.
ALL/FID/RI-23-686-67

Sci-Phys
Nov 68

353,700

Procedure for Calculating Plastics Slide Bearings
Under Limited Lubrication Conditions, by

I/ I. Gekmadze, . . Ya. Shilakadze. 30 pp.

KUSSIEN, rpt, AI GIGZSSR. Institut Mekhaniki

Mashin i Polimerov. Mekhanika

Mashin; Inzhenernaya Mekhanika Polimerov, Tbilis,
1967, pp 5-35.

AIR/PID/IN-23-264-69

AM GRUZ, SSSR, SOOBSHCHENIYA
SEE
SOOBSHCHENIYA AM GRUZ SSSR

Function of the Average Kinetic Energy of Fission
Fragments of Heavy Nuclei, by

V. N. Skolovitch.

AUSSRII, per, Akad. Nauk Kazakh. No 7, 1965,

pp 58-62.

AWIC LIB/FRANC 200

sci/nuclear sci

aug 69

398,716

Some Results of Color Observations of the IC 2118
Nebula, by Sh. N. Sabitov, 12 p.
RUSSIAN, per, Akad. Nauk Kazakhsk. SSR, Astron. Inst., Issled. Tumannostey i Mezvezdnyye Sredy
(Alma-Ata), v. 11, 1968, p 79-86.
NASA-TT-F-13107

Mar 71

Yerenov, A. Ye.

All-union water law draft reviewed. 11 pp.
AKADEMII NAUK KAZAKHSKOY SSR, KHABARSHYSY VESTNIK,
No 12, 1970, pp 19-26
JPRS 52451

Application of Nuclear Explosions in the Extraction
of Oil, by Ya. Kudymov, S. A. Lovlya, 5 pp.
RUSSIAN, rpt, AN Kirgiz. SSR, 5th Session of
Scientific Council, 1965, pp 283-285
AEC-UCM-Tr-10200 P011049468

Sci/Nucl
Nov 68

368,318

AN LAT SSER. INST WLEN I VYCH TEN
ALSO CHECK
AVPOMAT I VYCHISLETI TERNENIA

Questions Regarding the Synthesis of Three-Sign
Logical Functions on Threshold Elements, by
I. N. Bogolyubov. 12 pp.
RUSSIAN, par, in USSR. Institut Elektroniki i
Vyslitol'noy Tekhniki, No 11, 1965, pp 5-17.
ACR/FID/IR-23-1145-67

sci/mathematics
mar 69

377,923

Synthesis of Sequential Asynchronous Logic
Automata Designed With Three Types of Modules,
by Ye. A. Yakubaytis, V. G. Gorbets. 14 pp.
RUSSIAN, rpt, IN LATSR, Institut Elektroniki i
Vychislitel'noy Tekhniki, 1967, pp 25-37.
ZIT/FTD/IT-23-1096-68

sci/electronics
may 69

382,916

Asynchronous Logic Time Automata, by
Ye. A. Yakubaytis. 19 pp.
RUSSIAN, rpt, NI DZISIR, Institut Elektroniki i
Vychislitel'noy Tekhniki. Avtomaticheskoye
Upravleniye, 1967, pp 5-24.
AIR/FID/AF-24-487-68

sci/ electronics
sept 69

390,981

Some Possibilities of Using the Structural
Redundancy for Improving the Reliability of
Analog-Digital Function Generators, by
V. P. Chapenko.

RUSSIAN, rpt. AM LAZER, Institut Elektroniki i
vychislitel'noy tekhniki, Avtomaticheskoye
Upravleniye, 1967, pp 229-244.
#10-RT-24-409-68

Sci-Klec
Oct 68

Estimate of the Reliability of Schemes with
Permanent Redundancy under Consideration of
the Possibility of a Departure of the System
Parameter Beyond the Tolerance Limits, by
A. N. Margulis, 16 pp.

RUSSIAN, per, An. LAZER. Institut Elektroniki
i Vychislitel'noy Tekhniki Avtomatika i
Vychislitel'naya Tekhnika, No 11, 1965,
pp 199-214.

P100218268-V

FTD-HT-23-998-67

Sci-Methods & Equipment
Sept 68

366,030

Analysis of the Functioning of Sequential
Asynchronous Logic Networks, by
A. Yu. Gohzomis, G. F. Fritanovich, 16 pp.
RUSSIAN, rpt, AN LATSSR. Institut Elektroniki
i Vychislitel'noy Tekhniki. Avtomatika i
Vychislitel'naya Tekhnika, 1966.
P100267768-V
FTD-MT-24-106-68

Sci/Elect
Oct 68

366,957

Minimization of Memory Capacity of Sequential
Asynchronous Logical Schemes, by
Ye. A. Yakubaytis, et al. 13 pp.
RUSSIAN, per, AV LAI SSR. Institut Elektroniki i
Vychislitel'noy Tekhniki. Avtomatika i Vychis-
litel'naya Tekhnika, No 12, 1966, pp 115-130.
FTD S 700 417-69

417-69

july 69

384,279

Synthesizing Circuits Made from Three-Value
Majority Elements by a Method of Solving
Logic Equations Systems, by B. L. Ovsi-
yevich.

RUSSIAN, per, AN LatSSR. Inst Elektroniki
i Vychislitel'noy Tekhnika. Avtomatika i
Vychislitel'naya Tekhnika, No 12, 1966,
pp 143-154.

AIR/FTD/HT-23-388-68

Sci-Elec
Apr 69

379,851

Calculating the Influence of Redistro-
bution of Loads When Evaluating the Re-
liability of Circuits with Parallel Re-
dundancy, by A. M. Margulis.
RUSSIAN, rpt, AN Lat SSR. Inst Elektron-
iki i Vychislitel'noy Tekh. Avtomatika
i Vychislitel'naya Tekh, No 12, 1966,
pp 161-168. AD 679 539
AIR/FTD/MT-24-104-68

Sci-Elec
Feb 69

372,999

The Probability Characteristics of Random
Processes and Their Simulation on a Digital
Computer, by L. A. Rastrigin, 7 pp.
RUSSIAN, per, AN SSSR, Institut Elektroniki
i Vychislitel'noy Tekhniki, Avtomatika i
Vychislitel'naya Tekhnika, No 13, 1966,
pp 117-123.
AIR/FTD/HT-23-1445-67

Sci-Elect & Elect Engr
Jan 69

370,845

Adder and Logical Elements on Neuristons, by
V. G. Fil'kov. 7 pp.
RUSSIAN, Por, AN LATVSR. Institut Elektriki
i Vychislitel'noy Tekhniki. Avtomatika i
Vychislitel'naya Tekhnika, No 14, 1966,
pp 93-99.
AIR/MD/IR-23-84-68

sci/electronics
mar 69

377,802

A Tunnel Diode Radio Frequency (r-f) Storage
Element, by Vul', V. A. 9 pp
RUSSIAN, per, AN LATSSR. Institut Elektroniki i
Vychislitel'noy Tekhniki. Avtomatika i
Vychislitel'naya Tekhnika, No 14, 1966,
pp 101-108.
AIR/FTD/MI-24-148-58

sci/electronics
feb 69

375,658

A Parallel Arithmetic Unit on Tunnel Diodes, by
K. U. Blinova, A. S. Korus, et al. 8 pp.
RUSSIAN, per, AN LATSSR, Institut Elektroniki i
Vychislitel'noy Tekhniki. Avtomatika i
Vychislitel'naya Tekhnika, No 14, 1966,
pp 115-121.
AIR/FID/MT-24-148-68

sci/electronics
feb 69

375,659

High-Speed Immediate-Access Storage Unit
(DOZU) on Tunnel Diodes with Associative Address
Selection, by Ya. N. Pavlovskiy, L. S. Dokin.
12 pp.

RUSSIAN, per, AN LATSSR. Institut Elektroniki i
Vychislitel'noy Tekhniki. Avtomatika i Vychis-
litel'naya Tekhnika, No 14, 1966, pp 123-132.
ATP/TID/4-24-43-68

sci/electronics
mar 69

377,912

The Use of Tunnel Diodes in Analog-to-Digital
Converters, by I. Myznits, T. Tomson, et al.
8 pp.

RUSSIAN, per, AN LATSSR. Institut Elektroniki i
Ychislitel'noy Tekhniki. Avtomatika i
Ychislitel'naya Tekhnika, No 14, 1966,
pp 185-191

AIR/PTD/T-24-148-68

sci/electronics
feb 69

375,660

R. G. Bulgarov

A special-purpose electronic computer for simulating and
processing functions of finite homogeneous markov chains
5 pp.

RUSSIAN, AN USSR, Institut Elektroniki i Vychislitel'-
noy Tekhniki, Avtomatizatsiya i Vychislitel'naya Tekhnika,
1971, pp 369-373

AIR/PTD-RF-23-1146-72

nov 72

A Method of Coding the States of Finite Automata
from the Point of View of Minimizing Equipment
Expenditures, by Z. L. Rabinovich,
Yu. V. Kapitenova, et al. 11 pp.
RUSSIAN, rpt, AN LITSEN. Inst Elektroniki i Vych
Tekhn. Teoriya Diskretnykh Avtomatov, 1967,
pp 33-40.
AIR/FTD/MT-24-08-70

Sci-
June 70

An Account of the Partial Symmetry of Boolean Functions in the Synthesis of Logic Circuits, by G. B. Belyavskaya, Yu. N. Podemskiy. 6 pp. RUSSIAN, rpt, AN LATSSR. Institut Elektroniki i Vychislitel'noy Tekhniki. Teoriya Diskretnykh Avtomatov, 1967, pp 51-54.
AIR/PTD-MI-24-394-69

sci/matham
may 70

The Application of Correcting Codes to Improve
the Reliability of Combination Logic Circuits,
by T. A. Prantsis. 27 pp.

RUSSIAN, rpt, AN LatSSR. Inst Elektroniki i
Vychisl Tekh. Teoriya Diskretnykh Avtomatov,
1967, pp 201-223.

AIR/FTD/HT-23-152-70

Sci-Elec
June 70

Detection of a Captured Electron in Irradiated
Frozen Aqueous Solutions of Alkalies by the
Electron Paramagnetic Resonance Method, by
B. G. Yerushov, A. K. Pikayev. 9 pp.
RUSSIA, per, IN LATSSR, Institut Fiziki, Radiat-
sionnaya Fizika, No 4, 1966, pp 39-47.
AIR/PTD/AF-24-10-68

sci/physics
apr 69

377,920

Complex Loading and Stability of Shells Made of
Polymeric Materials, by G. A. Tatars.
RUSSIAN, rpt, Akademiya Nauk Latviskoi SSR. Inst
Mekhaniki Polimerov (Slozhnoye Napruzheniye i
Ustoichivost Obolochek iz Polimernykh Materialov),
(ATCH to IR 1570 0182 69), 1969, 336 pp. 1.5000
FTD HC Special 283-70

Sci-Mat
Sep 70

Class Formation in the System 1205-1205-1273,
by T. A. Miller, R. Ya. Buzin', et al. 8 p.
RUSSIAN, rpt, AI LATSR. Institut Neorganicheskoy Khimii. Steklobrannyye Sistemy i
Materialy, 1967, pp 99-104.
AIR/PRD/ A-24-176-69

sci/chemistry
Feb 70

402,672

Gamma Ray Excitation of Nuclear Isomers, by
I. A. Abrams, L. L. Pelekis, 12 pp.
RUSSIAN, per, Izv. Akad Nauk Lat. SSR, Ser. Fizich.
i Tekh. Nauk, No 1, 1968.
AEC/LCRL-Tr-10392-69

Sci/Phy
Dec 69

398,052

Some Property Changes in Pyrolytic SiO_2 Films
After Thermal Treatment, by R. P. Kalnyaya,
I. A. Feltyn, et al., 10 pp.
RUSSIAN, per, Izv. Akad. Nauk i SSSR, Fiz. Tek.,
Series, No 3, 1968, pp 13-18.
AEC/RFP-Tr-56-69

Sci/Phy
Dec 69

396,045

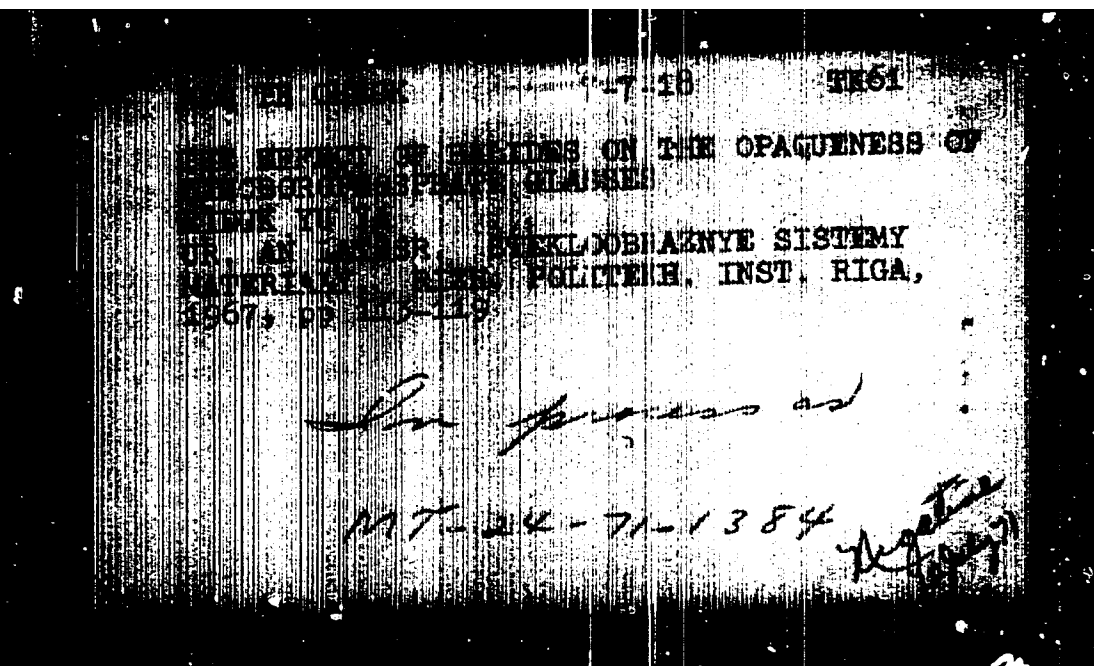
B. N. Rolov

Anomalies of the heat capacity of diffuse ferro-electric phase transitions and an estimate of the dimensions of the Kariig regions. 9 pp.

RUSSIAN, Izv. AN LatSSR. Seriya fizicheskikh i tekhnicheskikh nauk, No 1, 1959, pp 40-45

AIR/PTD-MT-24-1697-71

sept 72



Bilen'kiy, B. F.

Structure and optioal properties of thin films of the
HgTe-CdTe system. 5 pp.

AN LITSSR. INSTITUT FIZIKI POLUPROVODNIKOV, No 3, 1970,
pp 192-196

AIR/FTD-HT-23-1829-72